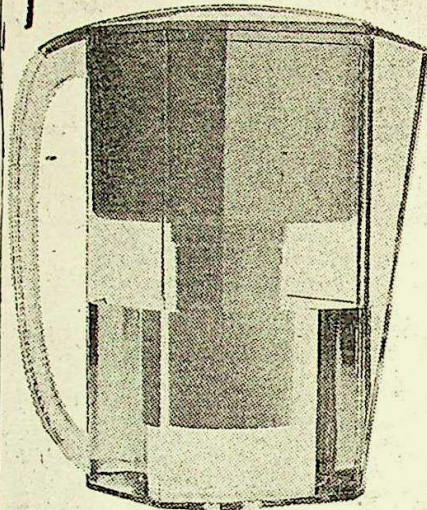
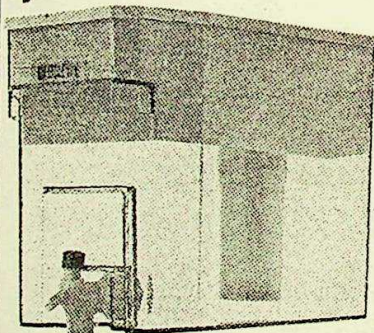


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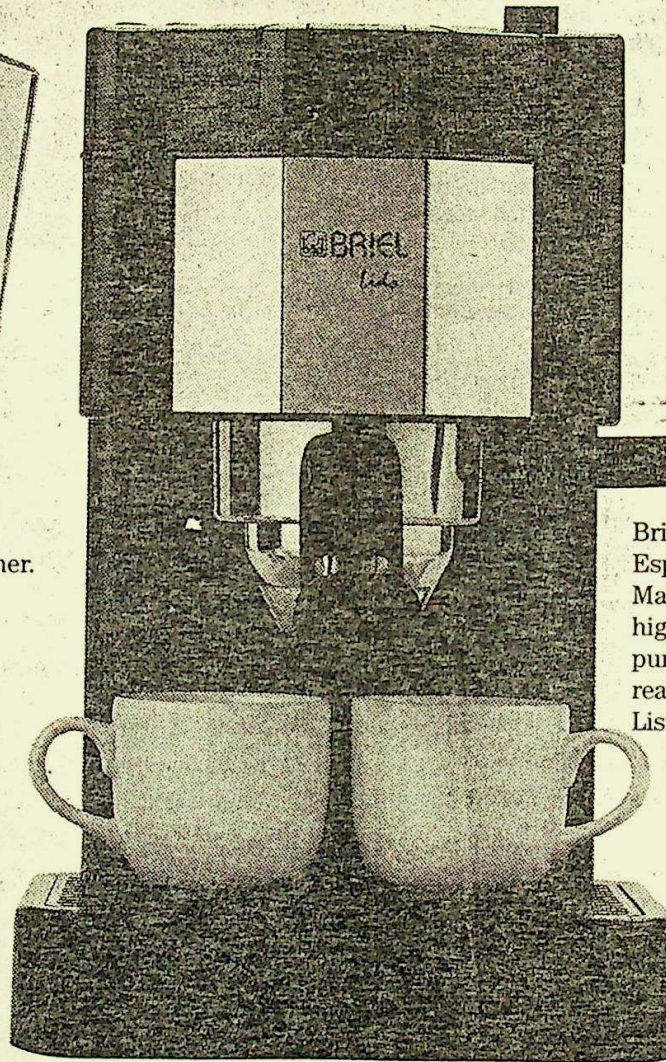
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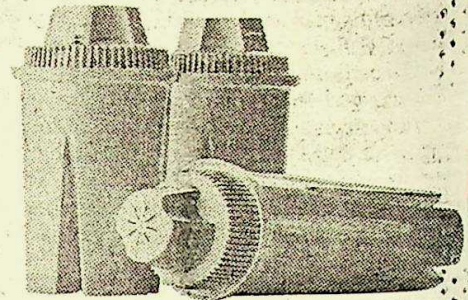
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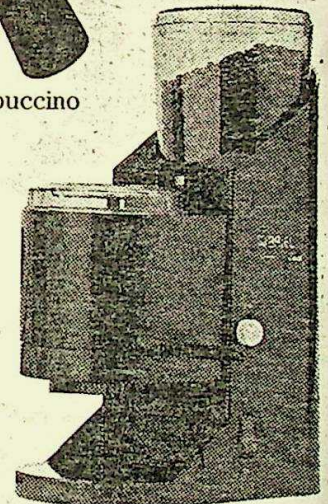
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(11)

Publication number:

0 319 348

A2

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: 88311501.6

(51) Int. Cl.4: B 67 D 1/00
B 67 D 1/06

(22) Date of filing: 05.12.88

(30) Priority: 04.12.87 US 129032

(43) Date of publication of application:
07.06.89 Bulletin 89/23(84) Designated Contracting States:
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Stone Mountain Georgia 30087 (US)(74) Representative: Davies, Christopher Robert et al
Frank B. Dehn & Co. Imperial House 15-19 Kingsway
London WC2B 6UZ (GB)

(54) Convertible beverage dispenser.

(57) A compact multiflavor, convertible beverage dispenser (10) that can be installed in any one of several different orientations so as to be able to fit in almost any available space. This dispenser can operate frontways or sideways and has a dispense module (14) separable from a refrigeration module (12) to go on top of a counter with the refrigeration module going below. The dispenser can use either figals or bag-in-box (with built-in syrup pumps) and can be easily modified to dispense different numbers of beverages.

FIG 1

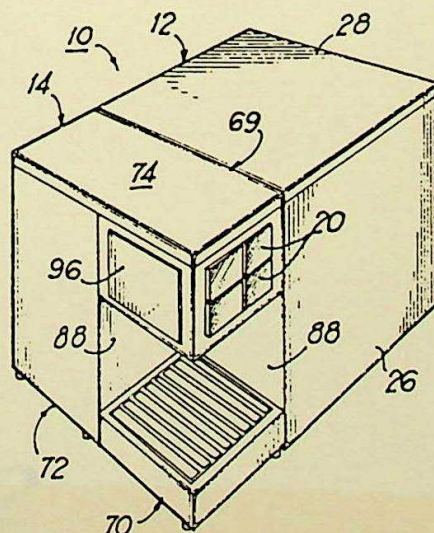


FIG 1

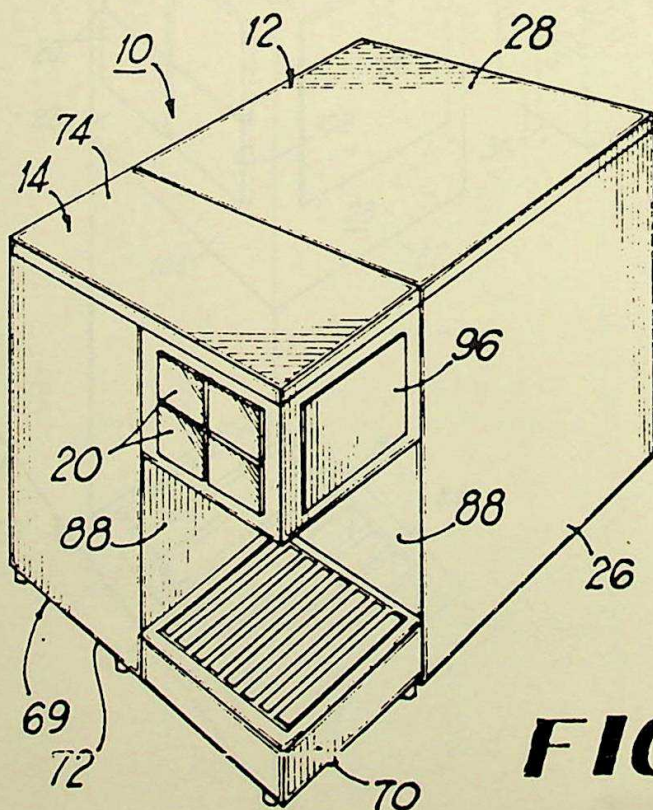
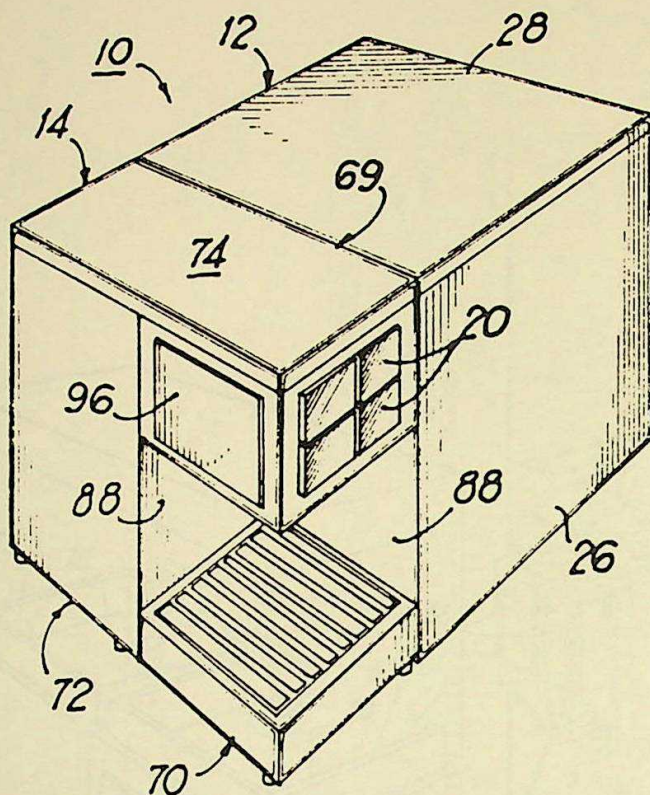


FIG 2

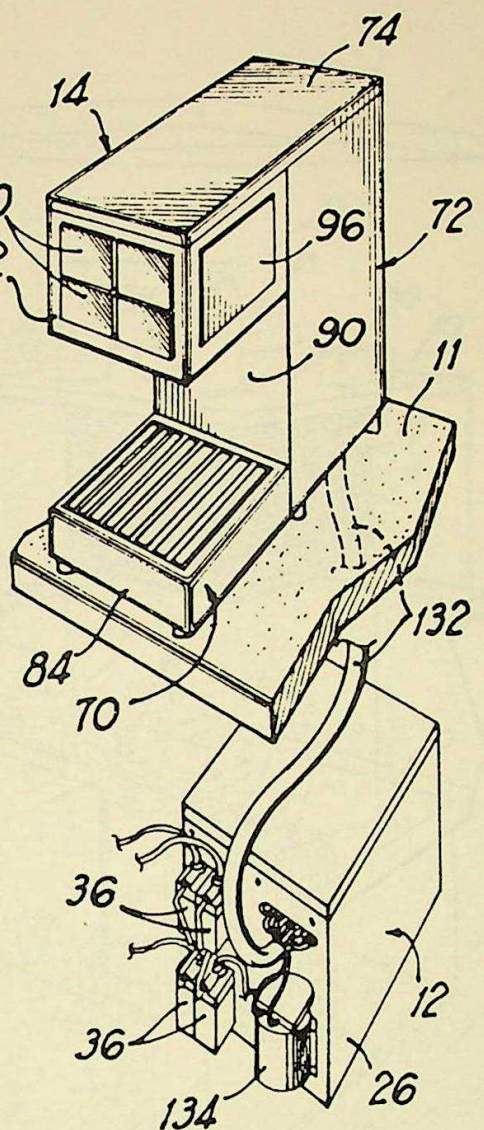


FIG 3

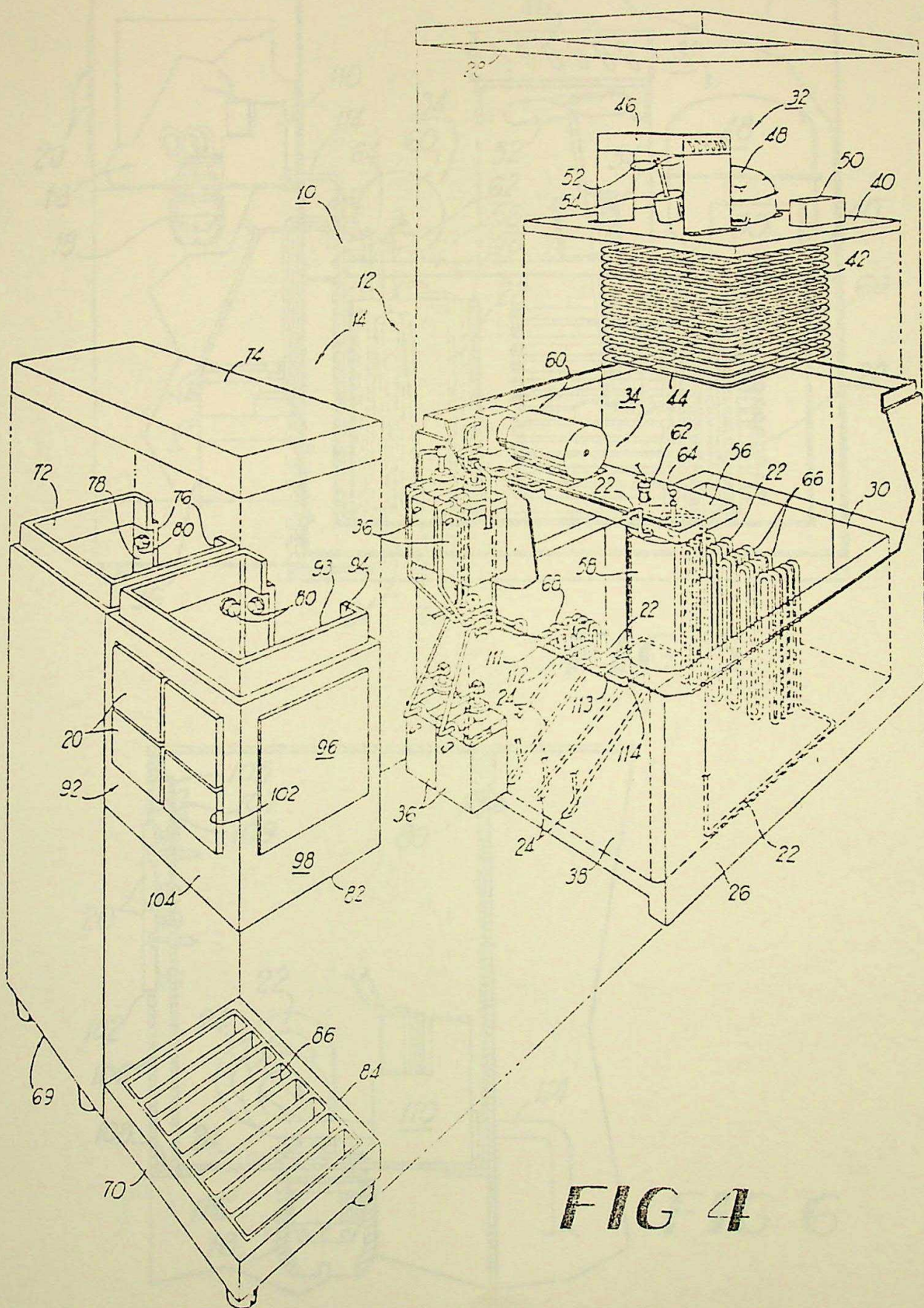


FIG 4

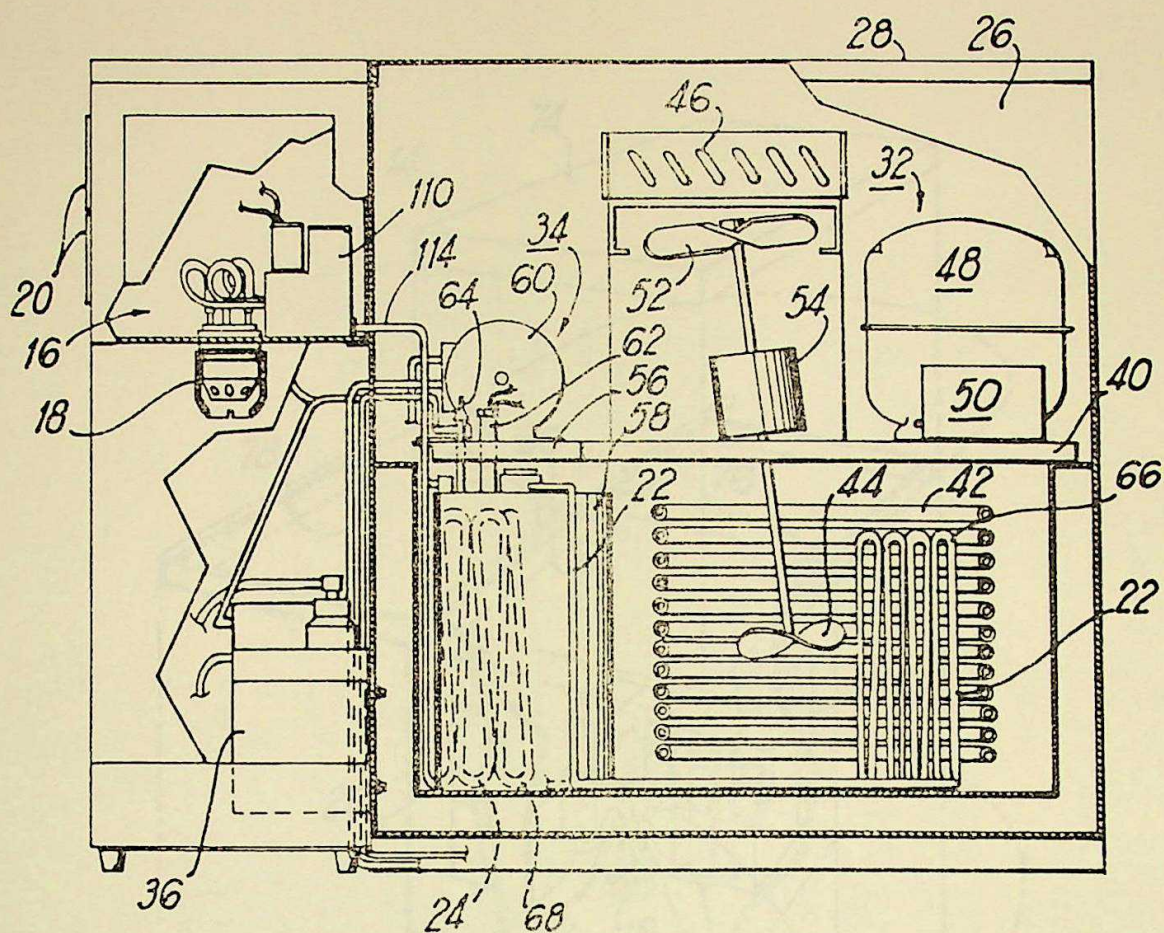


FIG 5

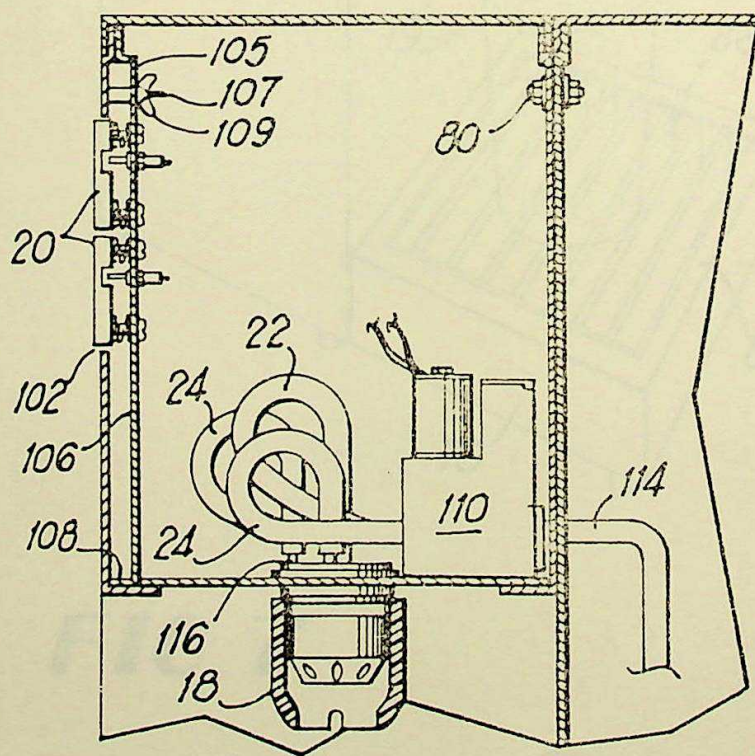


FIG 6

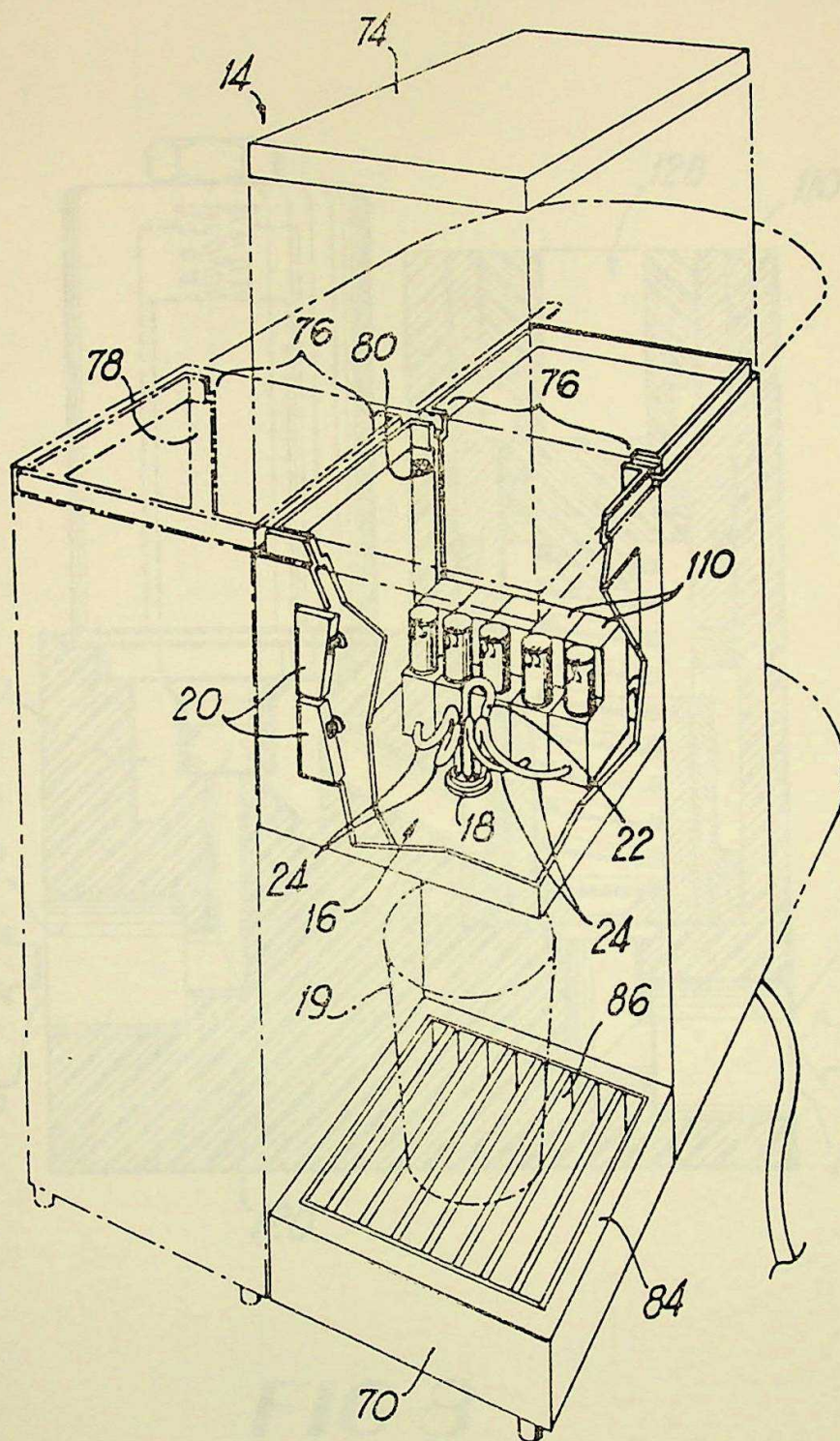


FIG 7

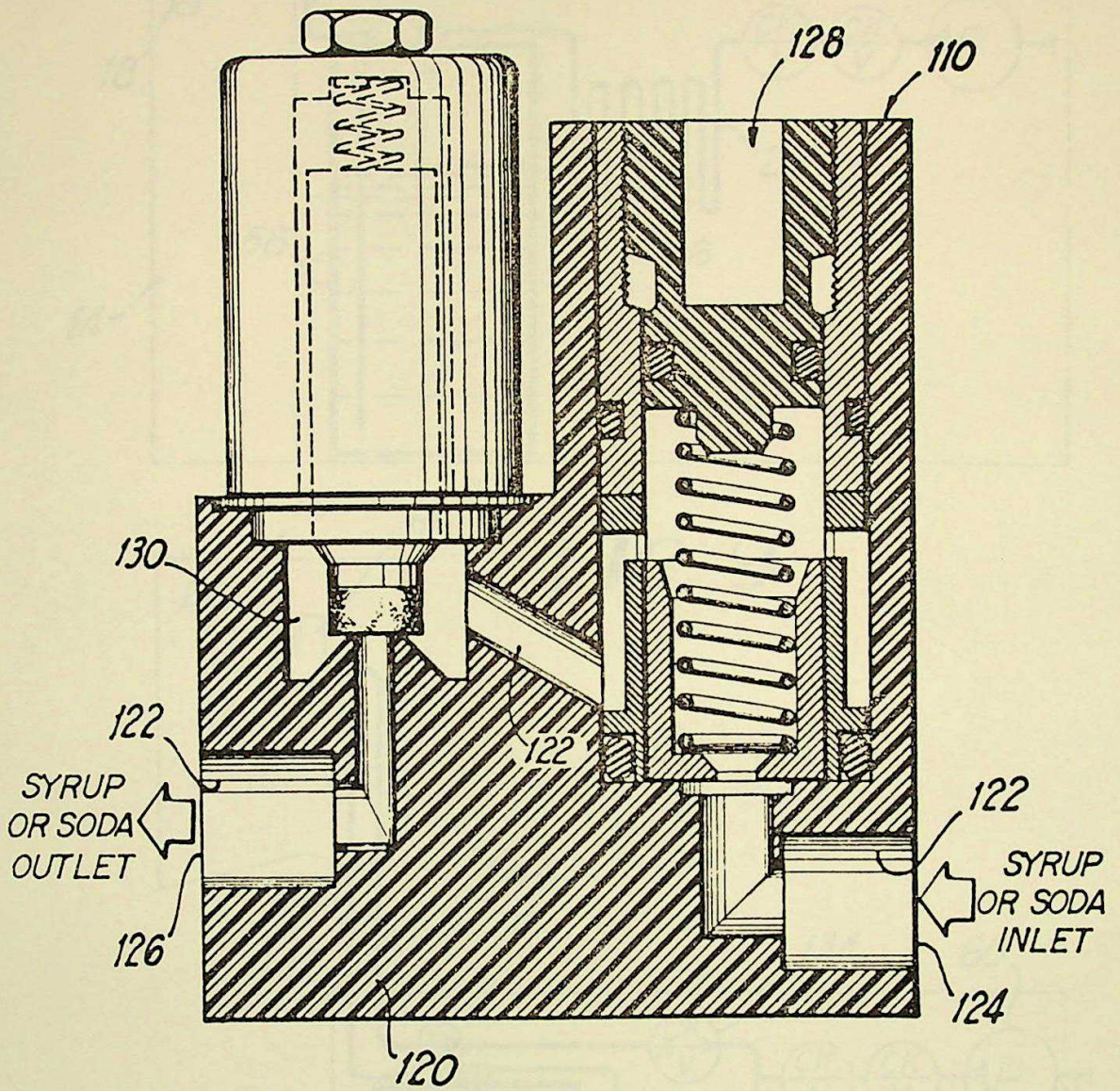


FIG 8

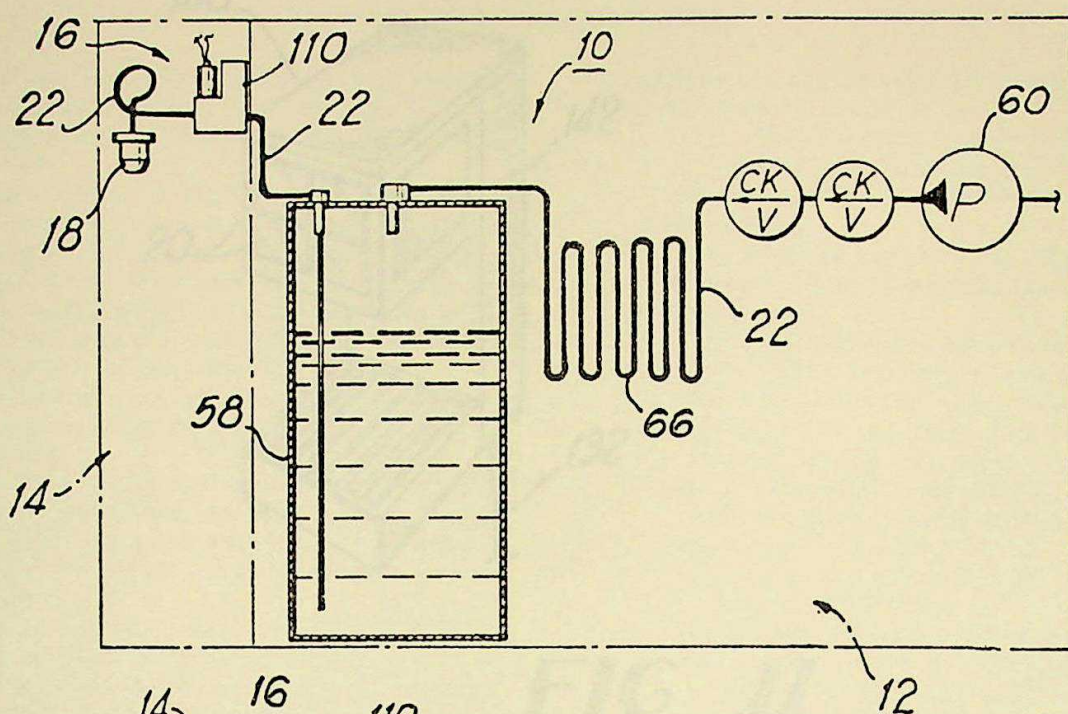


FIG 9

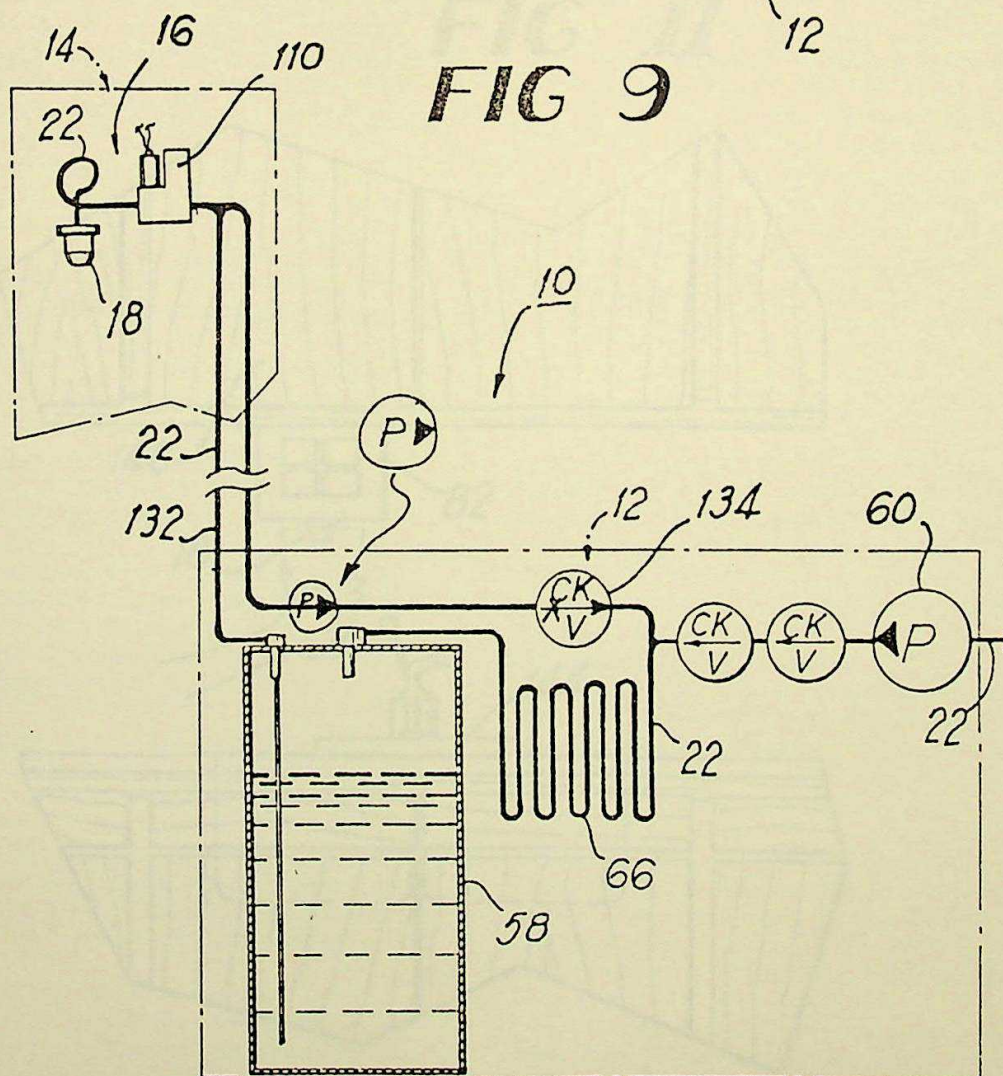


FIG 10

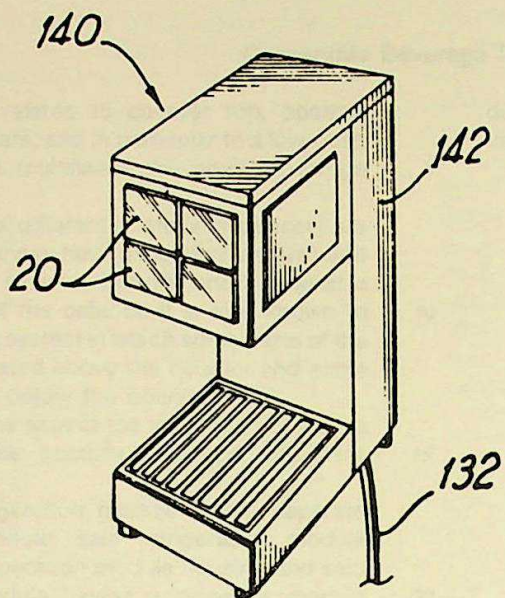


FIG 11

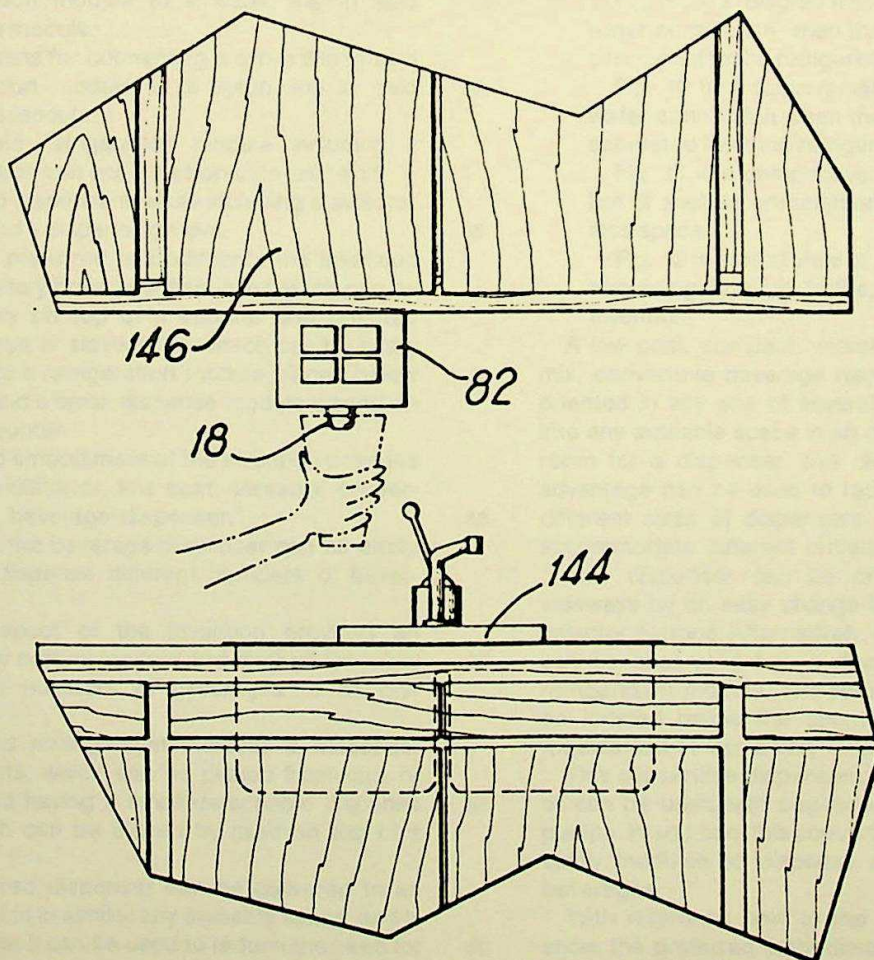


FIG 12

Description

Convertible Beverage Dispenser

This invention relates to counter top, postmix beverage dispensers, and in particular to a low-cost, compact, versatile, multiflavor, convertible beverage dispenser.

A wide variety of different postmix dispensers are known, including those having multiflavor valves and those having the selector buttons and nozzle at a notched corner of the cabinet. It is also known to have a dispensing system in which some parts of the dispenser are located above the counter and some parts are located below the counter.

Viewed from one aspect the invention provides a unitary, convertible postmix beverage dispenser comprising:

(a) a refrigeration module and a separate dispense module, said refrigeration module having a refrigeration module housing and said dispense module having a dispense module housing;

(b) removable connecting means for connecting said housings together to operate as a one-piece unit and for separating said housings from each other to operate as a two-piece unit;

(c) means for connecting a water line in said refrigeration module to a water line in said dispense module;

(d) means for connecting a syrup line in said refrigeration module to a syrup line in said dispense module;

(e) said refrigeration module including a refrigeration unit and a carbonation unit; and

(f) said dispense module including a selector button and a dispensing valve.

At least in preferred embodiments the invention provides a unitary beverage dispenser which can be placed entirely on top of a counter and oriented either frontways or sideways or which can be easily separated into a refrigeration module placed below the counter and a small dispense module placed on top of the counter.

A preferred embodiment of the invention provides a compact, multiflavor, low cost, versatile, convertible postmix beverage dispenser.

Preferably, the beverage dispenser can be easily modified to dispense different numbers of beverages.

Another aspect of the invention provides an improved flow control module and method for easily changing the numbers of beverages to be dispensed.

A preferred arrangement includes a dispenser with two fronts, which can be placed frontways or sideways, and having a small detachable dispense module which can be placed by itself on top of a counter.

The preferred dispenser can be delivered to an outlet and will fit in almost any available space, and is versatile in that it can be used to reduce the need for an inventory of dispensers of different sizes and shapes.

Certain embodiments of the invention will now be

described, by way of example only, with reference to the accompanying drawings, in which:

Fig. 1 is a perspective view of the preferred embodiment of the convertible dispenser of the present invention set up in its "frontways" mode of operation;

Fig. 2 is a view identical to Fig. 1 but, with the dispenser set up in its "sideways" mode of operation;

Fig. 3 is a perspective view of the dispenser of Fig. 1 set up with only its narrow dispense module on top of the counter and with the refrigeration module beneath the counter;

Fig. 4 is an exploded, partly broken-away, perspective view of the dispenser of Fig. 1;

Fig. 5 is a partly cross-sectional side view of the convertible dispenser of Fig. 1;

Fig. 6 is a partly cross-sectional, partial side view of the dispenser of Fig. 1;

Fig. 7 is a partly broken-away perspective view of the dispense module showing how it is converted to the Fig. 3 mode of operation;

Fig. 8 is a cross-sectional view through the flow control module of this invention;

Fig. 9 is a diagrammatic view showing the water connection when the dispense module is connected to the refrigeration module;

Fig. 10 is a diagrammatic view showing the water connection when the dispense module is separated from the refrigeration module;

Fig. 11 is a perspective view similar to Fig. 3 but of another embodiment that requires much less space;

Fig. 12 is a front view of the dispense module according to a still further embodiment of this invention.

A low cost, compact, versatile, multiflavor, postmix, convertible beverage dispenser which can be oriented in any one of several different ways to fit into any available space in an outlet. If an outlet has room for a dispenser, this dispenser will fit. This advantage can be used to reduce the inventory of different sizes of dispensers presently needed to accommodate different outlets.

This dispenser can be oriented frontways or sideways by an easy change in the location of the selector buttons. Alternatively, this unitary dispenser can be separated into a dispense module and a refrigeration module. The refrigeration module can be located below the counter and the dispense module can fit into a very small place on a counter.

This convertible dispenser can be used with figals or can be used with bag-in-box with built-in syrup pumps. In addition, this convertible dispenser can be easily modified to dispense different numbers of beverages.

With reference now to the drawings, Figs. 1-10 show the preferred embodiment of the convertible beverage dispenser 10 of the present invention.

The dispenser 10 includes a refrigeration module 12 and a separate dispense module 14 which is

removably attached to the refrigeration module. In the preferred embodiment shown, the dispenser 10 has a single multiflavor valve 16 with a single mixing and dispensing nozzle 18 for dispensing a beverage into a cup 19 (Fig. 7), four selector buttons 20, one carbonated water line 22 and four syrup lines 24. The dispensing valve 16 is in a notched corner of the dispenser 10 with the buttons on either of the adjacent walls.

The dispenser 10 as shown in the drawings is set up for use with bag-in-box syrup containers (not shown), although it can also be used with figals (not shown).

The dispenser 10 can be set up for operation on a countertop 11 (see Fig. 3) in any one of the three modes of operation shown in Figs. 1, 2 or 3. To convert between the modes shown in Figs. 1 and 2, it is only necessary to move the buttons 20 to change places with the panel 96. To convert from either the Fig. 1 or 2 mode to the Fig. 3 mode, a small conversion kit is used. The dispense module 14 is separated from the refrigeration module 12 and slightly rearranged (Fig. 7), the longer water and syrup lines are attached, a different splash plate (flat instead of L-shaped) is attached, and preferably a recirculating pump 134 and line are connected.

The refrigeration module 12 includes a housing 26, a lid 28, an ice-water tank 30, a refrigeration unit 32, a carbonator unit 34, and four syrup pumps 36 mounted on the sidewall 38.

The refrigeration unit 32 is mounted on a refrigeration deck 40 that sits on top of the tank 30. The unit 32 includes the usual equipment such as an evaporator coil 42, an agitator 44, condenser coils 46, compressor 48, ice bank control 50, and cooling fan 52 operated by an agitator motor 54,

The carbonator unit 34 is mounted on a carbonator deck 56 and includes the usual carbonator equipment including a carbonator tank 58, a water pump and motor 60, level controller 62, and CO₂ inlet 64.

The refrigeration module 12 also includes the usual water cooling coils 66 and four separate syrup cooling coils 68. The water goes to the pump 60, then to the water cooling coils 66, then to the carbonator tank 58 and then to the multiflavor valve 16. The syrup goes from a bag-in-box container (not shown) to one of the four syrup pumps 36, to a syrup cooling coil 68, and then to the multiflavor valve 16. Each pump 36 has a CO₂ inlet, a syrup inlet and a syrup outlet, for example, for a CO₂ operated pump.

The dispense module 14 has a longer sidewall and shorter frontwall and includes a dispense module housing 69, a dispense section 70, a separate hollow section 72, and a lid 74. The hollow section 72 is generally U-shaped with an opening 76 in its rear wall 78 to accommodate the syrup pumps 36, in the modes of operation shown in Figs. 1 and 2. The hollow section 72 is attached by bolts and nuts 80 to the refrigeration module housing 26.

The dispense section 70 includes separate upper and lower portions 82 and 84, respectively, and an L-shaped splash guard 88 in Figs. 1 and 2, and a flat splash guard 90 in Fig. 3. The lower portion 84 is the drip tray 86 which, in Figs. 1 and 2, is preferably

connected to the hollow section 72 and not to the refrigeration module 12.

The upper portion 82 includes a shell 92 having an open top 93 and an open rear wall 94. The shell 92 is bolted to both the refrigeration module housing 26 and to the hollow section 72 by bolts and nuts 80.

The upper portion 82 includes the selector buttons 20, a panel 96, and the single multiflavor valve 16. In the arrangement of Fig. 1 when the dispenser 10 is arranged frontways, the selector buttons 20 are placed in an opening 100 in a frontwall 98 of the dispense module 14, and the panel 96 is placed in an opening 102 in the sidewall 104. In the mode of operation shown in Fig. 2, the selector buttons 20 are placed in the sidewall opening 102 and the panel 96 is placed in the frontwall opening 100. In the separated arrangement of Fig. 3, the selector buttons 20 are placed in the sidewall opening 102 as in Fig. 2.

The manner of changing the selector buttons 20 and panel 96 will now be described. The openings 100 and 102 are identical in size and the buttons and panel can be handled through the open top 93 (with the lid 74 off). Each of the panel and buttons are connected to an identical mounting plate 106, so a description of one will suffice. The plate 106 has a flange 108 along its bottom edge that fits in a groove, and the plate has a single slot 105 centrally located in its top edge to receive a bolt 107 connected to the wall and on which a wing nut 109 is attached. The wires from the solenoids of the flow control modules 110 to the buttons 20 are flexible and easily allow movement of the buttons from one wall to the other.

The multiflavor valve 16 will now be described. The valve 16 includes the single nozzle 18 and a plurality of separate, identical flow control modules 110, shown in Fig. 10. One of the flow control modules 110 is for carbonated water and there are four separate syrup modules 110, one for each of four syrups. A water line 112 extends from the water flow control module 110 to a central opening in the nozzle 18, while the four syrup lines 111, 112, 113, and 114 extend from a respective one of the flow control modules 110 to a respective one of the circumferentially arranged openings 116 in the top of the nozzle 18.

Referring to Fig. 8, each of the flow control modules 110 includes a body 120 and a liquid passageway 122 therethrough from an inlet port 124 to an outlet port 126. A standard piston-spring flow control 128 is located in the passage. A solenoid controlled valve 130 (including a solenoid, an armature, and a valve element movable onto and off of a valve seat) controls the on-off flow through the module 110. An advantage of this module is the fact that the inlet and outlet ports are on opposite faces and have passageways whose axes are parallel, to provide ease of installation.

The operation of the two arrangements shown in Figs. 1 and 2 will thus be clear from the above description. If only a very small countertop space is available, then the dispenser 10 can be converted to a two-piece unit shown in Fig. 3 with only the very narrow dispense module placed on top of the countertop 11.

This conversion from a one to two-piece unit can be easily done in the field with the aid of a small break-away conversion kit containing the long water and syrup lines 132, a recirculating water pump 134 to be mounted on the refrigerator module housing 26, and a flat splash plate 90. To do the conversion, the lids are removed, the bolts and nuts 80 are removed, the recirculating water pump 134 is mounted on the housing 26, and the lines 132 are installed. In addition, the two sections 70 and 72 of the dispense unit are disconnected and then re-connected, using bolts and nuts 80 as shown in Fig. 10. In this way, the openings in their rear walls are facing each other and the dispense module has a smooth, clean, exterior surface. The drip tray is not connected to the shell 92, but it is connected to a drip tray support that is connected to the hollow section 72 and that extends under both sections 70 and 72 of the dispense module as shown in Figs. 1 and 2. This support is disconnected from the hollow section 70 and then reconnected to extend under the drip tray in Fig. 3.

Fig. 9 shows the standard set up for the water line for the Figs. 1 and 2 modes of operation, and Fig. 10 shows the additional recirculating water line set up for the Fig. 3 mode of operation. This provides cold water for the dispenser at all times.

Fig. 11 shows a dispense module 140 according to another embodiment of this invention similar to Fig. 3 except that the hollow section 72 is replaced (along with a different lid and drip tray support) with a different hollow section 142 having much less depth than does section 72. This embodiment would be used where only a very small countertop space is available.

Fig. 12 shows another embodiment of this invention wherein the upper portion 82 of the dispense section 70 of the dispense module 14 is used by itself, by connecting it above a sink, such as under an existing cabinet (it can alternatively be wall mounted).

While the preferred embodiment of this invention has been described above in detail, it is to be understood that variations and modifications can be made therein without departing from the scope of the present invention. For example, while the preferred embodiment described above uses a multiflavor valve, this is not essential; it can alternatively use separate dispensing valves for each beverage or any combination of multiflavor and separate valves. In addition, while the preferred embodiment has been described for use with bag-in-box, it can also be used with figals, in which case the syrup pumps would not be included. The dispenser has been described for use with four separate syrups; this number can easily be changed by changing the number of flow control modules and syrup cooling coils. Other types and arrangements of the selector buttons can also be used. Instead of moving the buttons in switching between the Figs. 1 and 2 arrangements, buttons can be located permanently in both places, with a cover over the ones not being used. As used herein, the term "convertible" means a dispenser that can be converted in size and shape to fit in different available spaces. In addition,

when converting to the Fig. 3 mode, or preferably to the Fig. 11 mode, the hollow section 142 can be part of the dispense section with a hollow section like 72 left connected to the refrigeration module. Also, the long lines can be stored in the hollow section 72. This would make the conversion easier and could avoid the need for a conversion kit.

Claims

1. A unitary, convertible postmix beverage dispenser comprising:

(a) a refrigeration module and a separate dispense module, said refrigeration module having a refrigeration module housing and said dispense module having a dispense module housing;

(b) removable connecting means for connecting said housings together to operate as a one-piece unit and for separating said housings from each other to operate as a two-piece unit;

(c) means for connecting a water line in said refrigeration module to a water line in said dispense module;

(d) means for connecting a syrup line in said refrigeration module to a syrup line in said dispense module;

(e) said refrigeration module including a refrigeration unit and a carbonation unit; and

(f) said dispense module including a selector button and a dispensing valve.

2. The apparatus as recited in claim 1 wherein said housings are separated and wherein said water line connecting means and said syrup line connecting means are long, flexible lines such that said refrigeration module can be placed below a counter and said dispense module can be placed above said counter.

3. The apparatus as recited in claim 1 or 2 wherein said syrup line connecting means includes a plurality of syrup lines, and wherein said dispense module includes a plurality of selector buttons.

4. The apparatus as recited in claim 1, 2 or 3 wherein said syrup line connecting means includes a plurality of syrup lines, and wherein said dispensing valve is a multiflavor valve.

5. The apparatus as recited in claim 4 wherein said multiflavor valve includes a single mixing nozzle and a plurality of separate flow control modules, each flow control module including a solenoid controlled on-off valve and a flow control.

6. The apparatus as recited in any preceding claim wherein said housings are removably connected together and said water line and syrup line connecting means are mating fittings on the respective water and syrup lines in the refrigeration and dispense modules.

7. The apparatus as recited in any preceding

claim wherein said refrigeration module includes a built-in syrup pump.

8. The apparatus as recited in claim 7 including a plurality of said built-in syrup pumps.

9. The apparatus as recited in any preceding claim wherein said dispense module includes a dispense section and a hollow section, said sections each having a rear wall facing said refrigeration module when said housings are connected together, said rear walls having openings therein and means for connecting said sections together with said rear walls facing each other when said housings are separated, whereby said openings are hidden in said separated dispense module.

10. The apparatus as recited in any preceding claim including means for changing the number of selector buttons and syrup lines.

11. The apparatus as recited in any preceding claim wherein said dispense module includes a longer sidewall and a shorter frontwall, and including means for locating said selector button on either said sidewall or said frontwall.

12. The apparatus as recited in claim 11 including a plurality of said selector buttons.

13. A method for dispensing beverages comprising:

(a) providing a unitary, convertible beverage dispenser including a refrigeration module and a separate dispense module, said refrigeration module having a refrigeration module housing and said dispense module having a dispense module housing,

(b) connecting a water line in said refrigeration module to a water line in said dispense module;

(c) connecting a syrup line in said refrigeration module to a syrup line in said dispense module;

(d) providing a selector button and a dispensing valve in said dispense module;

(e) connecting said housings together when it is desired to operate said convertible dispenser as a one-piece countertop unit; and

(f) disconnecting said housings from each other when it is desired to operate said dispenser as a two-piece unit, placing said refrigeration module below said countertop and placing only said dispense module on top of said countertop.

14. The method as recited in claim 13 wherein said dispenser has a notched corner dispensing station and wherein said dispenser has a longer frontwall and a narrower sidewall, and wherein said housings are connected together and said selector buttons are on said frontwall adjacent said notched corner dispensing station, and including the step of moving said dispenser to face sideways on said countertop and moving said selector buttons from said frontwall to said sidewall.

15. The method as recited in claim 13 or 14 wherein said dispense module includes a

dispense section and a separate hollow section, said sections each having a rear wall facing said refrigeration module when said housings are connected together and said rear walls having openings therein, and including the step of connecting said sections together with their rear walls facing each other when said housings are separated, whereby said openings are hidden.

16. The method as recited in claim 13, 14 or 15 wherein said dispensing valve is a multiflavor valve including a single mixing nozzle and a plurality of separate flow control modules, each flow control module including a solenoid controlled on-off valve and a flow control, and including the step of changing the number of beverages to be dispensed by changing the number of said flow control modules in said dispense module.

17. A flow control module comprising:

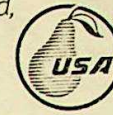
(a) a body having a liquid flow passageway therethrough from an inlet port to an outlet port;

(b) a flow control chamber in said body with a piston-spring flow control element therein, said chamber having an inlet and an outlet in said passageway;

(c) a control valve chamber in said body in fluid communication with said passageway, a valve element adapted to seat on a valve seat, and a solenoid mounted on said body and having an armature connected to said valve element, for controlling the on-off flow through said flow control module; and

(d) said inlet port and outlet port being on opposite faces of said body and having parallel axes.

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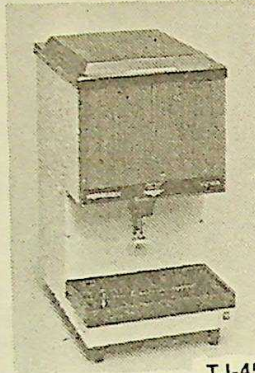
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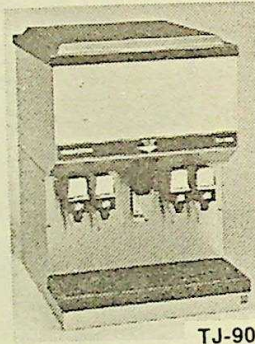
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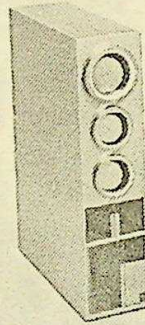
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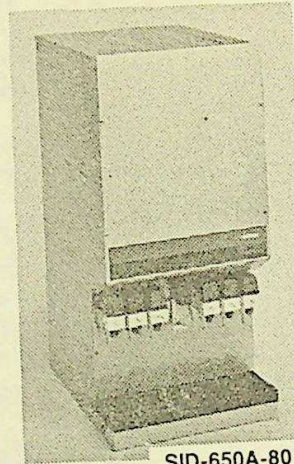
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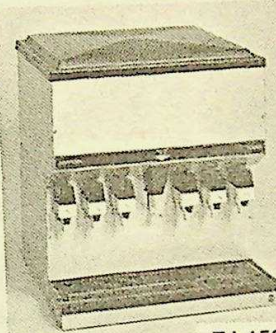
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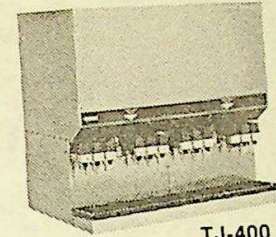
Cup
Dispenser



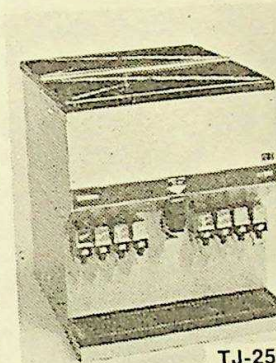
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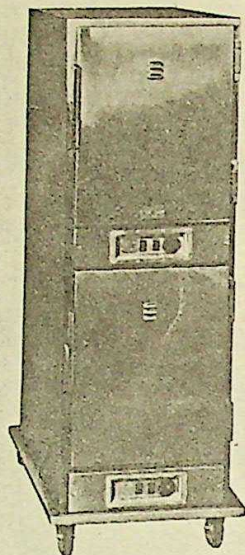
PRODUCT KNOWLEDGE

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NEW PRODUCTS & LITERATURE

JANUARY, 1988

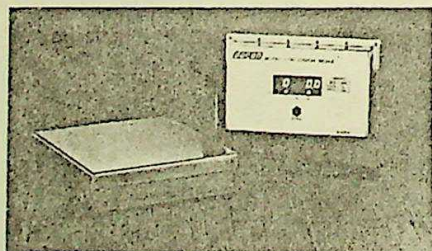
FOODSERVICE EQUIPMENT & SUPPLIES SPECIALIST



Holding Cabinet Has Two Heated Compartments: This dual compartment holding cabinet is equipped with two separate thermostatically controlled heated compartments, each with its own controls and door. The cabinet is ideal for hard-to-hold items like fried chicken, pizza and prime rib. The cabinet enables operator to rotate foods by using one compartment to hold foods and the other for serving.

Hot Food Boxes Inc.

428



Scale Is Rugged: This stainless steel digital scale provides fast, accurate weighing for portion control, check-weighing or general weighing. The rugged Series 700 scale is offered in 5-, 15- and 30-lb. capacities with a 10" x 10" platter. The low-profile platform can be mounted on a prep table with the digital read-out on the table, wall or under a shelf.

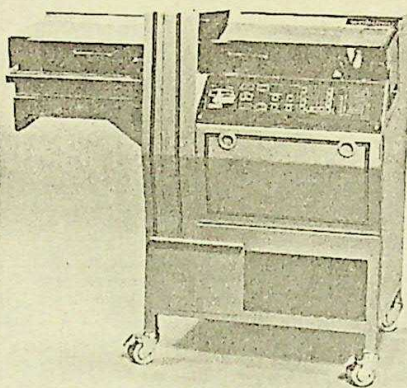
Doran Scales Inc.

416

Bread Slicer Works Wonders: This single-blade, all-purpose slicing machine can cut bread in thicknesses from 1/16" to just about any desired thickness. The Wabama is also equipped with an internal computer that allows the operator to divide any loaf into any number of equal portions.

Rondo Inc.

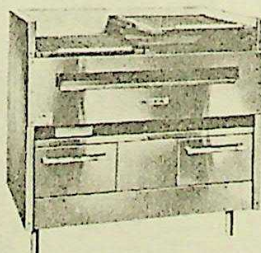
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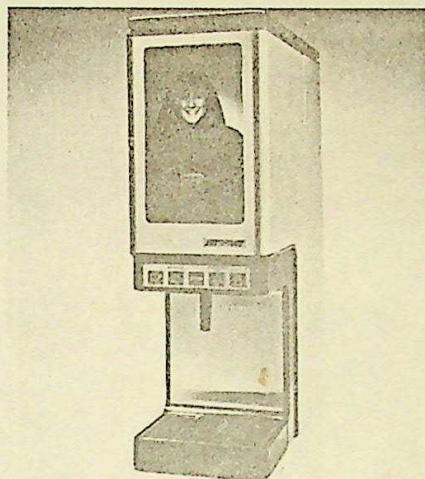
Charbroiler Handles High Volume: Model MQB charbroiler charbroils with a choice of fuels from mesquite and hickory logs to chips, chunks, slabs, charcoal or any kind of wood. Ideal for operation indoors and out, the unit features adjustable cooking grids and optional heavy-duty casters for maneuverability.

Magikitch'n Inc., A Blodgett Co.

445



Product claims are taken from the manufacturers' statements and should not be considered editorial endorsements.



Hot Product Dispenser Has Many Features: Ideal for merchandising powdered hot chocolate, this dispenser has a number of standard features, including solid-state controls, expanded hopper capacity and an all-stainless steel tank.

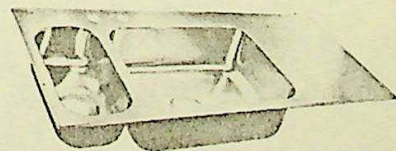
Jet Spray Corp.

464

Pasta Center Performs: This complete pasta center is suited to fully cook pasta in bulk baskets or finish individual servings at the rate of 300 to 1,600 lbs. of pasta every hour. Features include stainless steel construction and rack screen, starch overflow drain and an electric timer.

Keating of Chicago

435



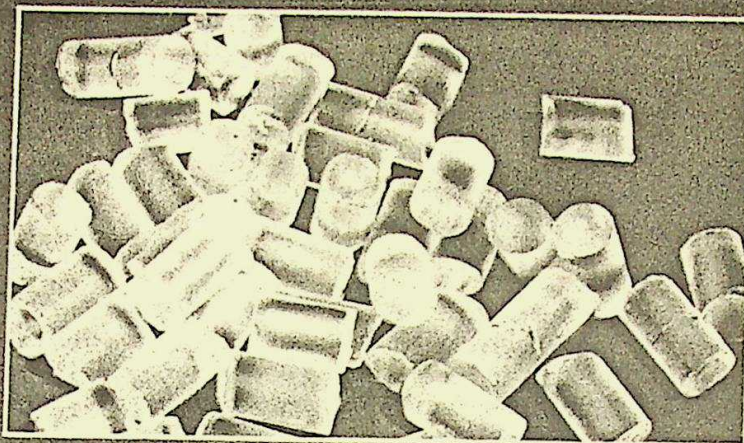
Sink Insert Has Double Bowl: This offset drainboard-type sink insert doubles the work area with two bowls. The insert is constructed of 18-gauge type 304 stainless steel and polished to a fully blended No. 4 satin finish. The sink is a full 7 1/2" deep.

Just Mfg. Co.

433

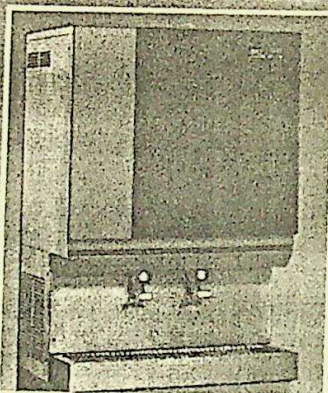
D7-311

NEW CONCEPT IN ICE DISPENSING

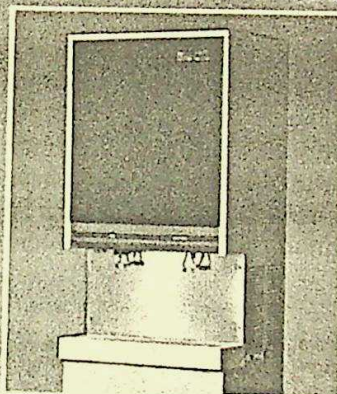


New Ice Nuggets are hard, dry cubes in a free-flowing form.

NOW AVAILABLE IN TWO MODELS



HQD750
600 lbs.* production.
90 lbs. storage in a 35
in. wide cabinet. Shown
on a DMS30 stand.



HQD650
600 lbs.* production.
35 lbs. storage in a 26
in. wide cabinet. Shown
on a DMS20 stand.

Scotsman Dispensers Offer:

- **New Ice Nuggets** are hard, dry, long-lasting cubes that maintain carbonation and flavor levels in beverages.
- **Reliable No-Clog Dispensing** - Jam-free dispensing time after time as a result of exclusive process.
- **Sanitary Serving** - Especially suited for convenience at fast food operations, cafeteria lines and hospitals.
- **Energy Efficient** - Up to 36% more efficient than competitive ice machines**. Continuous ice making process needs no defrost — means lower operating costs.
- **Variable Portion Control** - Adjustable from two ounces continuous flow for glasses, carafes and ice packs.
- **Installation Flexibility** - Counter top or stand mounted. Make where you need it most.
- **Reliability** - Only one moving part under refrigeration. Completely enclosed for sanitary protection.
- **Exclusive Labor Warranty***** - All this backed by the industry first 60-day factory labor warranty. Plus one year parts and year compressor coverage.

*Production at 70° air and 50° water. **When compared with Manitowoc Model CD402A. Comparison to other brands or models may vary. ***See your dealer for details.

Customer satisfaction is our first priority



SCOTSMAN
COMMERCIAL ICE SYSTEMS

Queen Products Division, King-Seeley Thermos Co./505 Front Street/Albert Lea, MN 56007
For information circle 89

Rest. & Inst
1182 P.M.

D7/311

Bottle water coolers go anywhere there's an electrical outlet... the practical solution when plumbing is not available. Fresh, bottled water tastes good, too.

Models ODB1RH & ODB1R

Hot 'N Cold Model ODB1RH is a complete refreshment center that's ideal for executive and professional offices or recreation areas. Hot water for coffee, tea or soup; cold drinking water; and a refrigerated compartment that freezes and stores 36 ice cubes and a case of soft drinks, or several large bottles of mix.

Cabinet is attractively styled in Mocha Tan enamel with wood-grain finish on door. 18-8 stainless steel base. Dimensions: 17" wide, 14" deep, 44" high (not including bottle).

Model ODB1R same as above, but without hot water service.

Model ODB2

This double-capacity model dispenses two gallons of cold water each hour and can satisfy the thirsts of 60 office people. Coordinated finish in Mocha Tan and Sandy Beige enamel. Dimensions: 14" wide, 14" deep, 40" high (not including bottle).

Models OEB1, OEB1H and OEB1K

Economical and compact, these three models are ideal for providing good tasting bottled water in homes and businesses. Choose the model that meets your needs: Model OEB1 serves cold drinking water only; Hot 'N Cold Model OEB1H serves cold water plus piping hot water for instant drinks; Cook 'N Cold Model OEB1K serves cold water plus room temperature water for use in cooking.

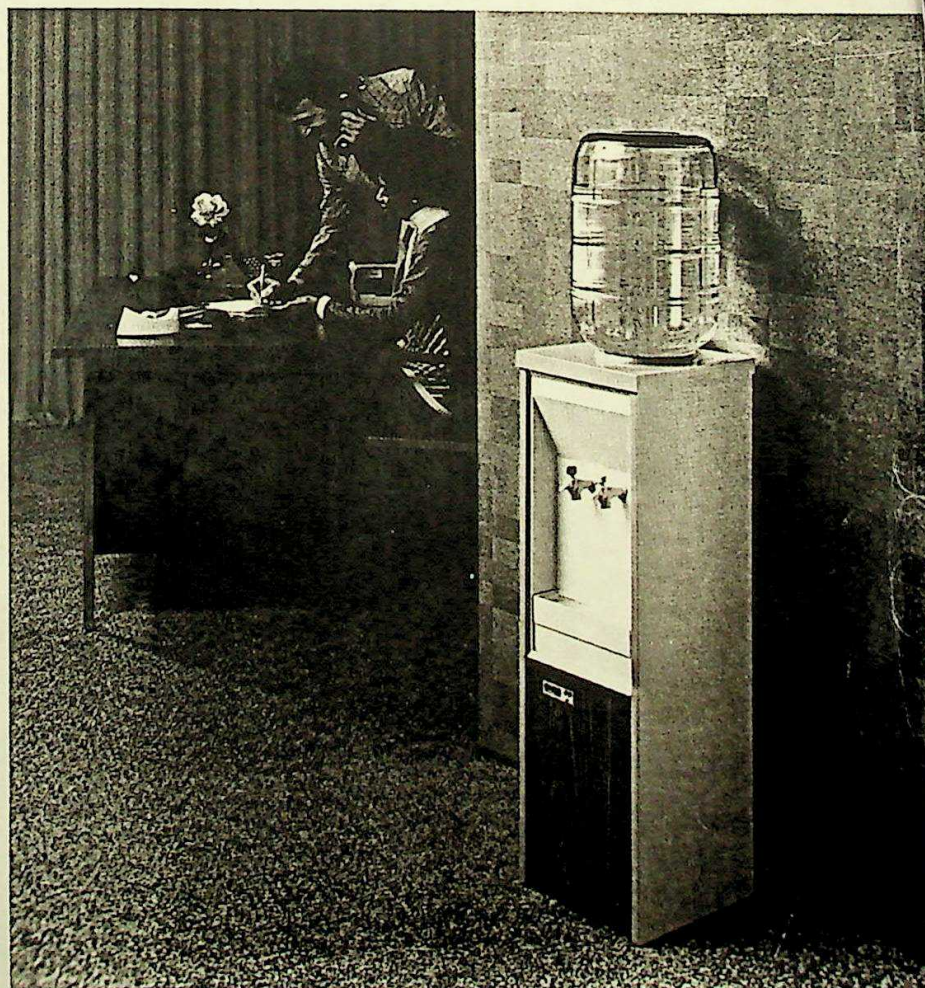
Each model features an attractive cabinet. Walnut Wood-Grain lower panel accents entire cabinet finish. Units occupy only one square foot of floor space. Dimensions: 12" wide, 12" deep, 36" high (not including bottle).

MODEL	GPH of 50° Water	Number of People Served	
		Offices	Retail Stores
ODB1R	1	30	30
ODB1RH	1	30	30
ODB2	2	60	60
OEB1	1	30	30
*OEB1-50	1	30	30
OEB1H	1	24	24
*OEB1H-50	1	24	24
OEB1K	1	30	30

*Special Export Models operable on 230 volts, 50 Hertz
UL, CSA and ARI Certification not applicable

Bottles available at slight extra charge

Oasis Bottled Water models



OASIS BOTTLED WATER COOLERS JUNE 1978
ERGO MANUFACTURING CO. D7T-5 BOX

CECILWARE BUDGET PRICED ICED TEA DISPENSERS

These Iced Tea Dispensers are tastefully designed to grace the finest restaurants with rugged, lifetime stainless steel construction throughout. Styled and budget priced to provide the ultimate value.

FEATURES

- "Lifetime" construction, stainless steel throughout.
- Tomlinson self-closing faucet.
- Greater durability and cleanliness — Stainless steel eliminates breakage problems and makes cleaning easy.

Option: Decorative Ice Coffee Sign Available.



Model S-3
(9½"D x 20½"H)

3-gallon Approx. Shipping Wt.: 11 lbs.

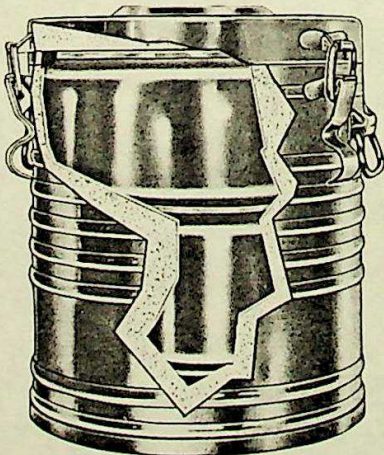


Model S-5
(9½"D x 26½"H)

5-gallon Approx. Shipping Wt.: 14 lbs.

CECILWARE HOT FOOD CARRIERS

INSULATED WITH URETHANE FOAM
BLOWN WITH DUPONT FREON*
holding up to 36 quarts of four different foods



Model † HF58

5 gal. capacity or 2 nine quart containers. 14" x 18".
Shipping weight 35 lbs.

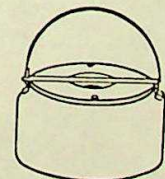
Model † HF108

10 gal. capacity or 4 nine quart containers. 14" x 28".
Shipping weight 45 lbs.

REMOVABLE FOOD CONTAINERS

9 quart capacity

These high quality seamless aluminum pots equipped with stainless steel covers, locking devices and handles, fit easily into Cecilware Hot Food Carriers. Curved surfaces make for easy and sanitary maintenance.



†Order 2 food containers to fit
Model HF58

†Order 4 food containers to fit
Model HF108

† Removable food containers are not included in the pricing of the HF58 and HF108.

•Trademark Registered

REC'D 10/16/1975

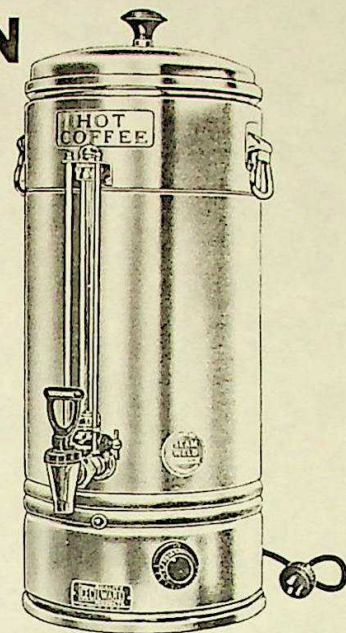
CECILWARE® **PORTABLE COFFEE URN**

PLUGS IN ANYWHERE ON 120 VOLTS AC, 1390 WATTS

**THE LEAST EXPENSIVE EQUIPMENT FOR
BREWING COFFEE BY THE GALLON**

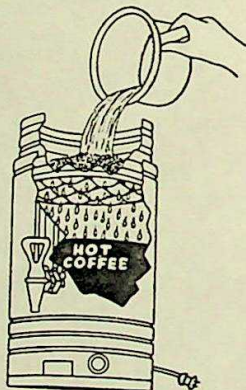
You get real urn brewed coffee from the Cecilware portable coffee urn. It is thermostatically controlled to maintain the fragrance and flavor of coffee for hours after brewing. See brewing instructions below.

MODEL NO.	COFFEE CAP.	DIMEN.	SHIP WEIGHT
G-39	3 gal.	11" x 21½"	25 lbs.
G-59	5 gal.	11" x 27½"	30 lbs.



MANY SATISFIED USERS

Cecilware Plug-in Portable Coffee Urns are ideal for use in:—hospital ward rooms, soda fountains, motels, schools, offices, factories, clubs and churches.



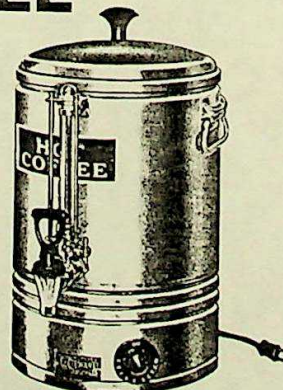
It is easy to brew good coffee in a Cecilware Portable Coffee Urn with the Coffee Brewing Center's urn brewing method.

- 1—Fill the urn with fresh water and heat until it boils.
- 2—Place a coffee bag in the gridded riser and add the proper amount of coffee, leveling it off to make an even bed.
- 3—Drain off the boiling water from the urn using a repourer or a suitable device (sauce pan) and continue to pour until entire contents of water has passed over the grounds.
- 4—When all the coffee has drained into the urn, remove the gridded riser with the grounds.
- 5—Draw off some of the bottom coffee (25%) and pour back into the urn.
- 6—Replace the cover, set the thermostat at 5, 6, 7, or 8 for desirable serving temperature and serve.

PORTABLE COFFEE HOLDING URN

**Thermostatically
Controlled
Stainless Steel
Plug-In Coffee Station**

**(Can Also Be Used As
A Hot Water Boiler)**



2 Important Uses

1. For making and serving instant coffee. Ideal for hot tea, hot chocolate and emergency needs.
2. For serving brewed coffee at stations located away from the coffee urns. With Handles and "Hot Coffee" Label.

Plugs in anywhere (into 120 volt AC receptacle, 1390 watt)
Keeps coffee at uniform temperature for hours.

MODEL NO.	COFFEE CAP.	DIMEN.	SHIP WEIGHT
CS-113	3 gal.	11" x 21½"	20 lbs.
CS-115	5 gal.	11" x 27½"	25 lbs.

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OCT., 1973

FOODSERVICE
EQUIPMENT DEALER

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sell... just
sell better!

Better selling takes more than talent—it requires product knowledge and the confidence that goes with it. (Along with the confidence that comes from selling quality Bloomfield products!) Bloomfield's "help machine" can make sure you and your salesmen are filled in on new Bloomfield products and new foodservice trends all over the country. And that's one of the many benefits that you get when you buy from Bloomfield. Want help in selling up a sales meeting that will motivate your men toward bigger sales and profits? Or maybe you'd like a member of the "help machine" along when you present the Bloomfield line to an important but elusive prospect?

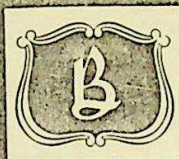
Stabner at

7600. He'll get

"help machine" rolling

with your next order.

BY SERVICE, BUY BLOOMFIELD



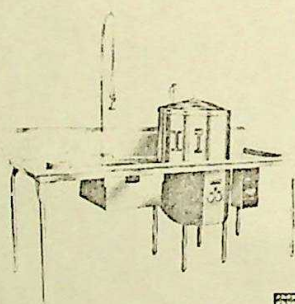
BLOOMFIELD

Industries, Inc.

4546 West 47th Street • Chicago, Illinois 60632 • (312) 254-7600

At Our Booth No. 1308, NATL. HOTEL/MOTEL SHOW — New York

Circle 33 on Reader Service Card

**Dishwashing System**

A package dishwashing system includes a dishwasher with approximate 100 pieces-an-hour capacity, and a built-in booster heater to provide 180° F. Stainless dish tables are available in various sizes; additional accessories include garbage disposals, shelves and optional sinks. Alco/Jackson Products Co., P.O. Box 9275, 4007 Magainvillea, Tampa, Fla. 33604 (128)

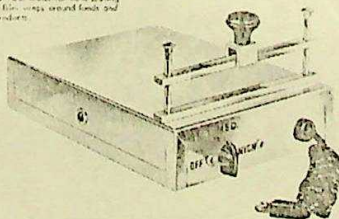
Decorative Tableware

Designed in gold, Pacifica is a pattern that suggests tropical foliage on narrow tableware. It is one of two new ceramic patterns said to have greater durability than conventional dinnerware. Corning Glass Works, Corning, N.Y. 14830 (203)

Cooking Equipment

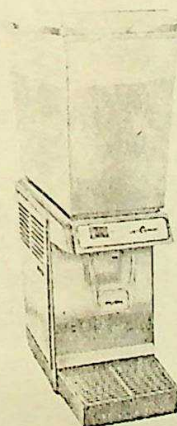
A line of preparation equipment to build a system, or a product to fit a system, includes: fryers, power filters, self-cleaning convection ovens, self-cleaning broilers, non-warping grills and food warmers. A custom counter line is also offered. Anetsberger Brothers, Inc., 180 N. Anets Dr., Northbrook, Ill. 60062 (155)

Package and Bag Sealer Model #157
An ultra heat sealer for heat sealing plastic film bags around food and other products.

**Heat Sealer**

A simple heat sealing device for plastic wraps, whether package or bag, is suggested for making plastic bags on premise, or for use at a self-service or take-out counter. Model 557 has a lift-up heat bar that seals ends of bags in one motion; a back surface plate permits sealing flaps of a folded wrap. Requires 300 w. at standard 120 v.

Dalson Products Mfg. Co., 1720 N. Marshfield, Chicago, Ill. 60622 (236)

**Beverage Dispenser**

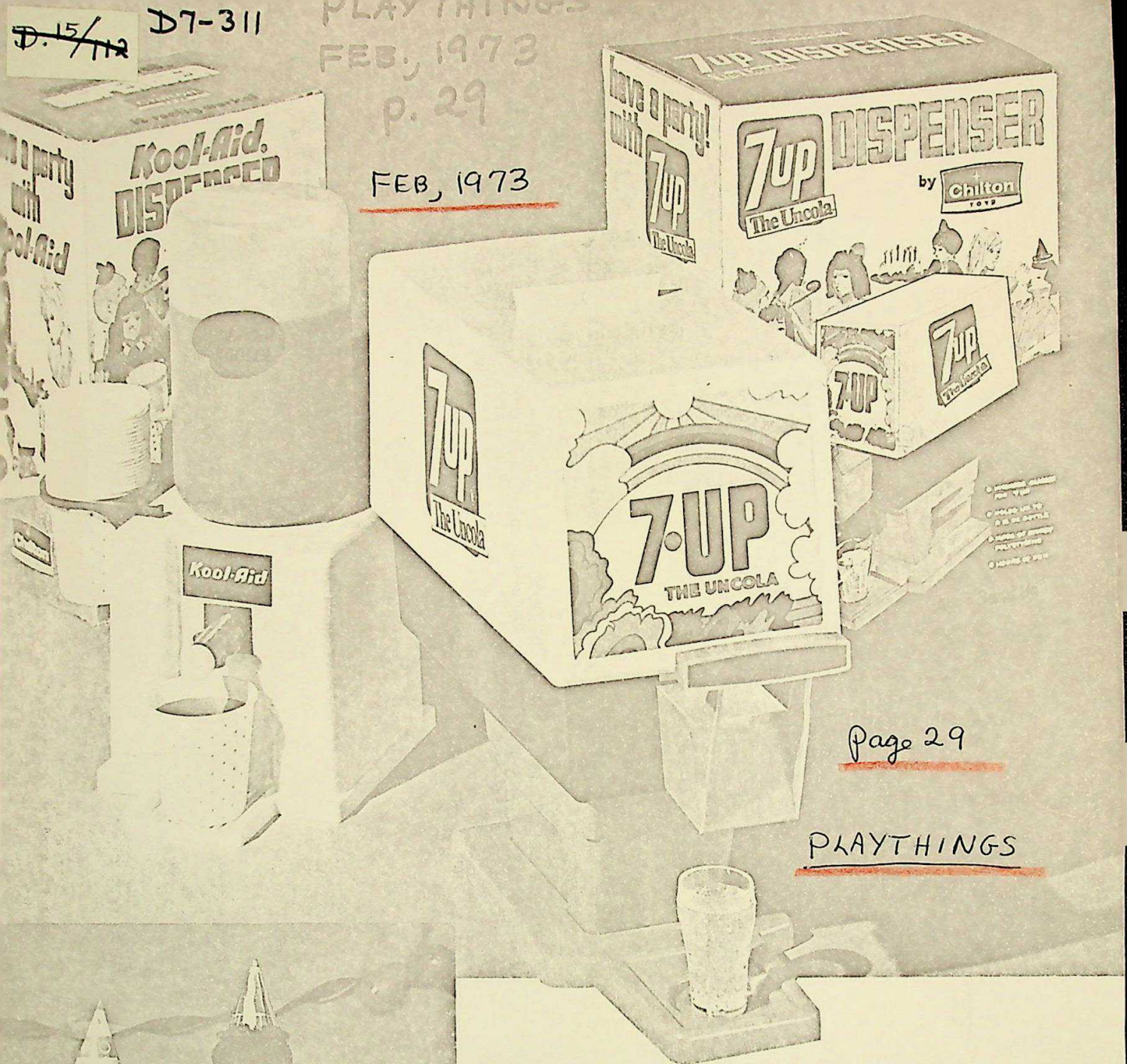
A five gallon self-contained refrigerated beverage dispenser unit measures 7 3/4" wide, 19" deep and 26 5/8" high. It operates on 115 v., draws 300 watts, and is equipped with a 1/6 hp hermetically sealed system. A whipper model to merchandise light, frothy, frothy drinks is also available. Jet Spray Corp., 195 Bear Hill Rd., Waltham, Mass. 02154 (135)

Products... continued

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PLAYTHINGS
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PLAYTHINGS



Chilton's Fun Dispensers beat the others cold

Attractive, new full-color packaging faithfully reproduces what's inside. Eliminates needless peeking.

7 UP** Dispenser features our exclusive patented** Drip-Free valve that eliminates sticky messes while preserving carbonation. Includes authentic plastic fountain glasses. Kool-Aid* Dispenser serves up the many flavors of mix-and-serve beverages. Order lots of Fun Dispensers this year. It's a good way to really pour it on your competition. Aluminum Specialty Company, Manitowoc, Wisconsin 54220, U. S. A.

*7 UP trademarks are the property of The Seven-Up Company

**U. S. Patent No. 3,376,582

Visit Chilton At Room 1150
200 Fifth Avenue Building,
New York City



We make a better product. You make a better profit.

~~XD 67/4~~
~~D 15/112~~

D7-311

The seams don't show

Beautiful fit, beautiful look, beautiful soft drink dispenser. Beautiful job of close tolerance molding by General American. Working from wooden patterns, General American engineers designed six individual moldings. The shrinkage of each separate part was calculated to the thousandths of an inch. General American made the tools with the same precision.

Result—when this soft drink dispenser is assem-

bled the seams are practically unnoticeable. In addition, the selection of the proper plastic, combined with General American's skill in molding, provides a product with very good luster, high impact properties, excellent stain resistance—and a reasonable price tag.

If you have a part or product that could or should be made of plastics, consult General American. In plastics, it pays to plan with General American.

*in this 6-piece
soft drink dispenser*



GENERAL AMERICAN TRANSPORTATION CORPORATION
135 South LaSalle Street • Chicago 3, Illinois
Offices in principal cities

Plastics Division
GENERAL AMERICAN
TRADE MARK